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Complete Specification Left, 8th Apr., 1903—Accepted, 4th June, 1903

PROVISIONAL SPECIFICATION.

Improved Apparatus for Sterilising Excreta, Medical Appliances and the like.

I, HENRY ALFRED CUMMINS, Major, Royal Army Medical Corps, of 29 Nightingale Place, Woolwich, Kent, do hereby declare the nature of this invention to be as follows:—

5 My invention is intended to provide a simple means of sterilising excreta, medical appliances, and the like in which the possibilities of derangement and offence are reduced to a minimum.

10 It consists essentially in providing a boiler or “copper” over a hearth, which may be lit with coal, petroleum, gas, or other suitable fuel, and so arranging the hearth that the products of combustion are led over the boiler or otherwise in such way as to carry with them up the chimney any volatile substances which may be given off by the mass under treatment. This apparatus may be made with two or more compartments for separate boilers.

15 The whole is covered with a sloping hood over the boiler to assist the draught on the products of combustion *etc.*, and this hood drops into a seal or lute which may be filled with sand, hemp or other suitable material, so as substantially to prevent any escape of products of combustion and the volatile substances above mentioned otherwise than through the chimney.

20 The hood is provided with a door or doors for access to the boiler or boilers. The whole may be arranged to take to pieces for convenience of transport. The apparatus may be made of galvanised iron or other suitable material.

Dated this 8th day of July, 1902.

For the Applicant,

GEDGE & FEENY

Chartered Patent Agents,

60 Queen Victoria Street, London, E.C.

COMPLETE SPECIFICATION.

Improved Apparatus for Sterilising Excreta, Medical Appliances and the like.

30 I, HENRY ALFRED CUMMINS, Major, Royal Army Medical Corps, of 29 Nightingale Place, Woolwich, Kent, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My invention is intended to provide a simple means of sterilizing excreta, medical appliances, and the like in which the possibilities of derangement and offence are reduced to a minimum.

[Price 8d.]

Improved Apparatus for Sterilizing Excreta, Medical Appliances and the like.

It consists essentially in providing a boiler or "copper" over a hearth, which may be lit with coal, petroleum, gas or other suitable fuel, and so arranging the hearth that the products of combustion are led over the boiler or otherwise in such way as to carry with them up the chimney any volatile substances which may be given off by the mass under treatment. This apparatus may be made 5 with two or more compartments for separate boilers.

The invention is illustrated on the accompanying sheet of drawings in which:— Figure 1 is a front elevation of the apparatus. Figure 2 is a cross section, and Figure 3 is a plan of the lower portion of Figure 1. Figure 4 is a diagram 10 of a suitable draw-off device for the "coppers."

In these drawings I have shown a double apparatus having two "coppers" or tanks a a^1 one of circular and the other of rectangular shape. The boilers or "coppers" a a^1 are supported over a hearth b by means of suitable flanges which bear on rails or otherwise. The coppers may be separated one from the other by means of a vertical partition if desired. The hearth may be heated in 15 any suitable manner and the products of combustion pass around the "copper" a a^1 rising into a space above the same.

The whole is covered with a sloping hood d over the "coppers" or boilers to assist the draught on the products of combustion *etc.*, a chimney e is provided at the top of the hood of the apparatus. This hood drops into a seal or lute e 20 which may be filled with sand, hemp or other suitable material, so as substantially to prevent any escape of the products of combustion and the volatile substances above mentioned, otherwise than through the chimney e .

The hood d is provided with a door f for access to the boilers. Separate doors f f^1 may be provided for the coppers a a^1 . 25

Lids g g^1 are shown covering the coppers a a^1 and central handles are fitted to these lids. The "coppers" or tanks may also have handles, as illustrated, whereby they can be lifted bodily out of the apparatus when the hood is raised, or by any convenient draw-off device such as illustrated in Figure 4 the boilers 30 may be emptied without being removed. Figure 4 shows a siphon device, water passing down pipe h^1 through cock h and drawing out contents of pans through short leg g^1 .

The whole apparatus may be arranged to take to pieces for convenience of transport, and the apparatus is made of galvanised iron or other suitable material.

In the expression "medical-appliances" I refer to bed-pans, urinals, spitting 35 cups, and infected slops and the like.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is,—

An apparatus for sterilising excreta, medical appliances and the like, con- 40 sisting of a "copper" arranged over a hearth so as to cause the products of combustion to carry with them any volatile substances which may be given off by the mass under treatment, substantially as described and illustrated on the accompanying drawings.

Dated this 8th day of April, 1903. 45

For the Applicant,

GEDGE & FEENY
Chartered Patent Agents,
60 Queen Victoria Street, London, E.C.



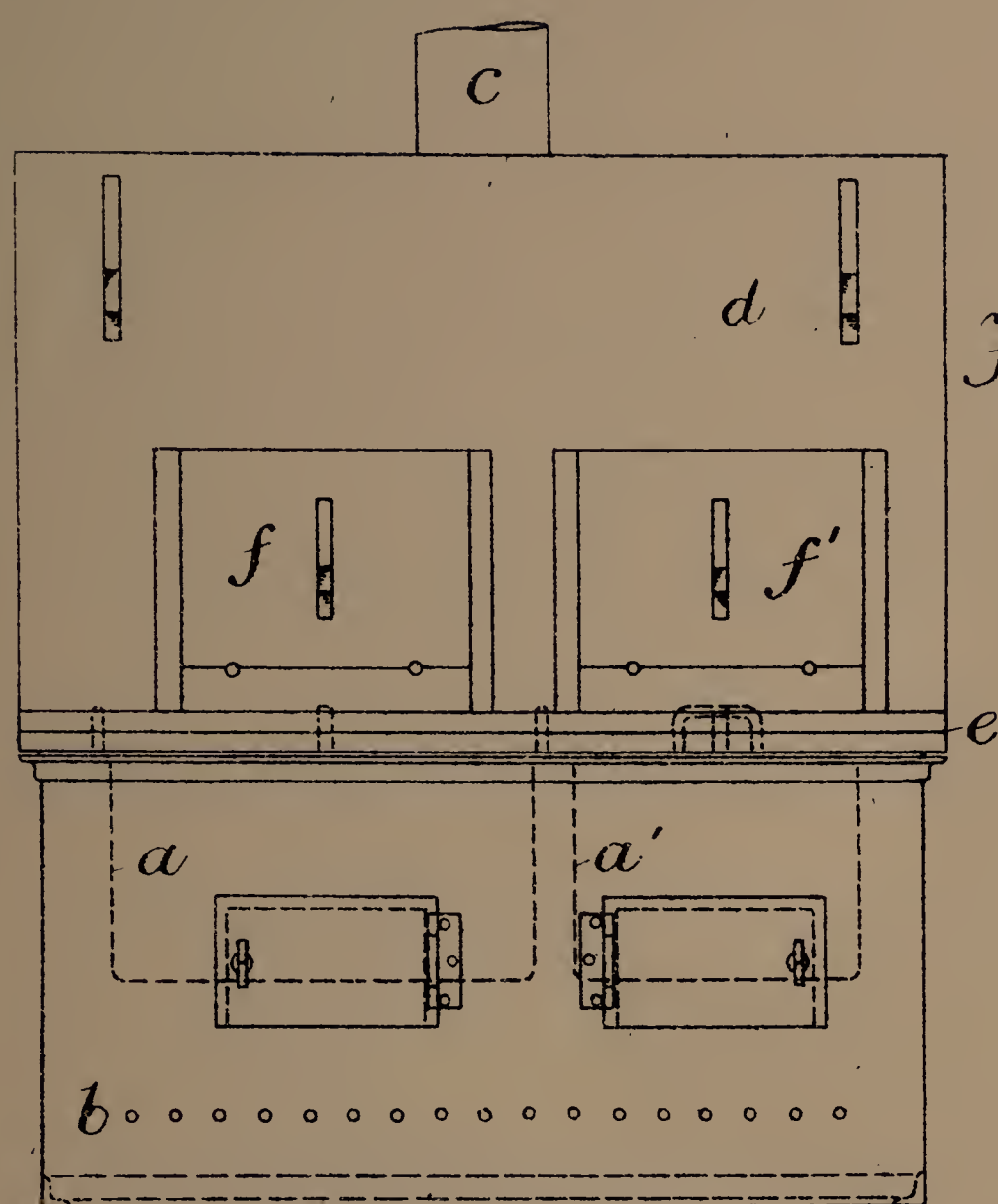


Fig. 1

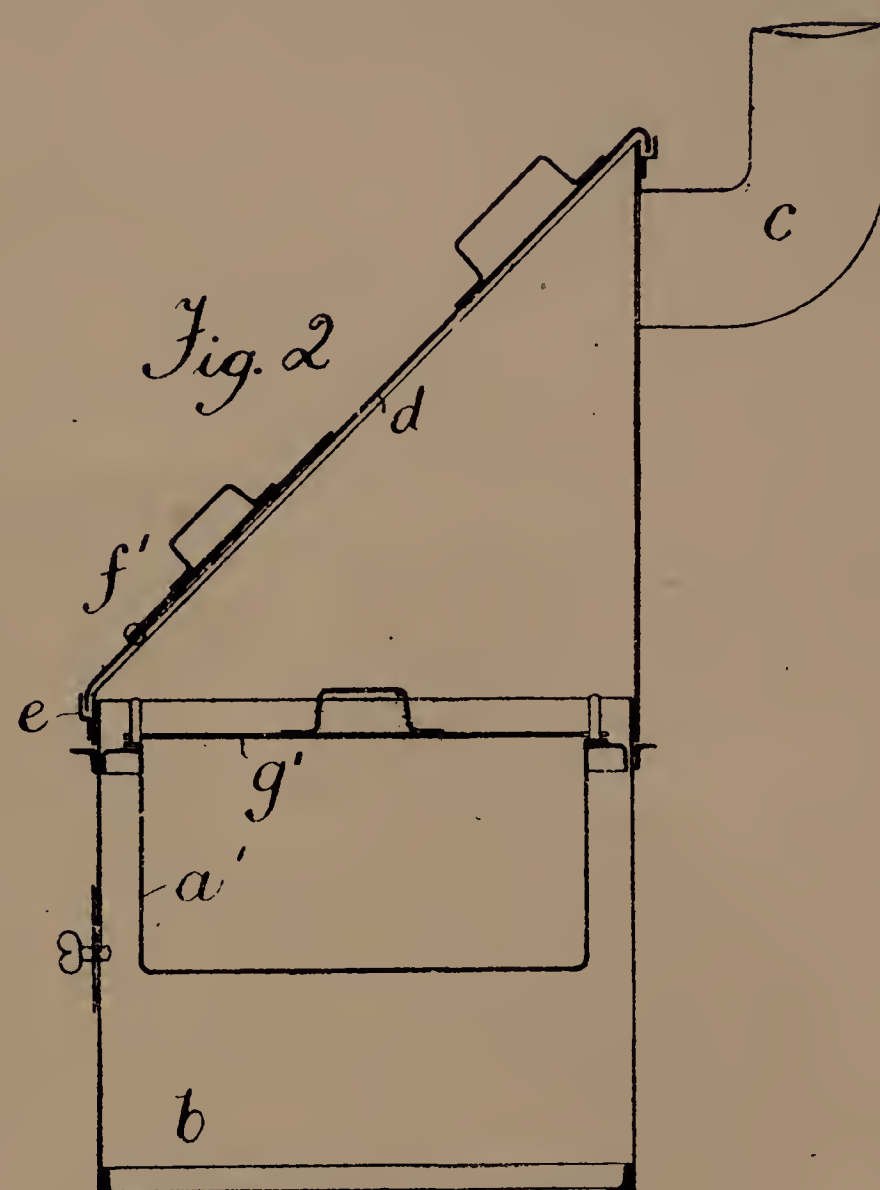


Fig. 2

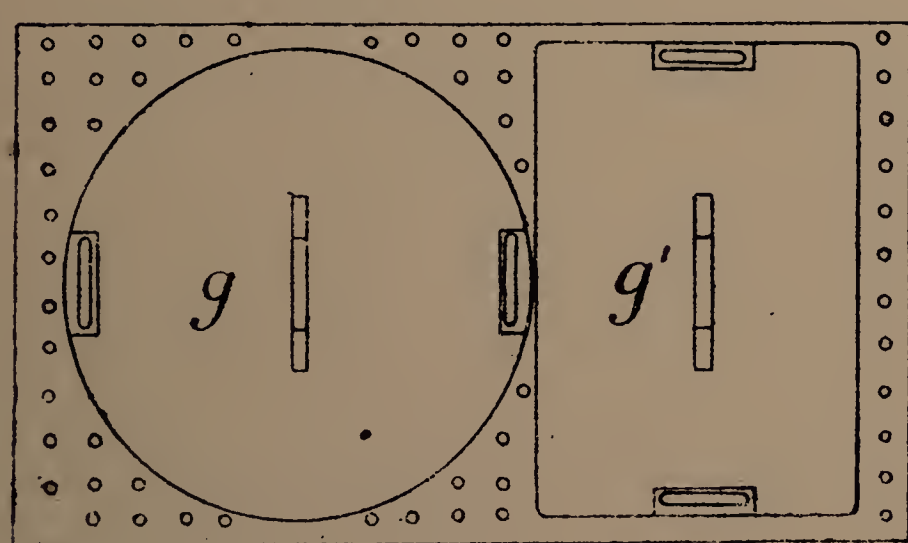


Fig. 3

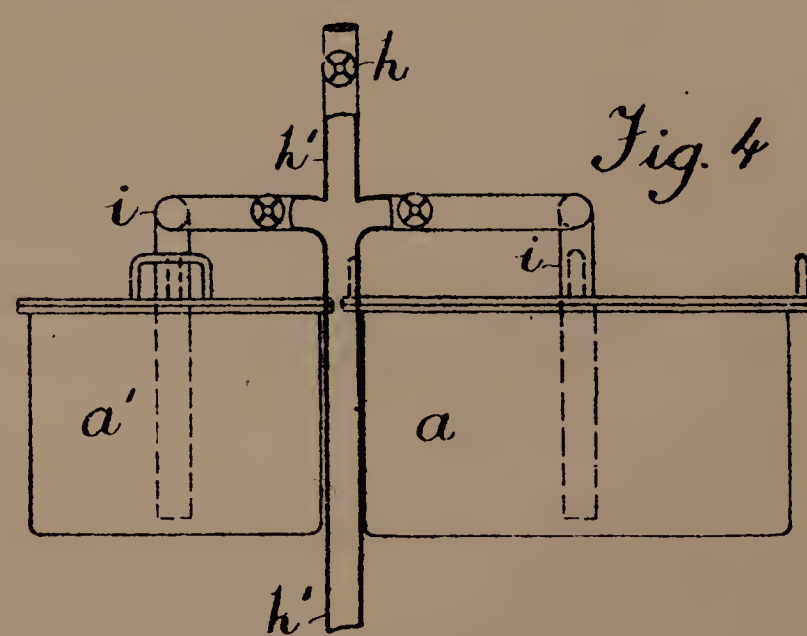


Fig. 4

[This Drawing is a reproduction of the Original on a reduced scale.]

